## Index of Claims



Application No.

10/003,191 Examiner

Ula C Ruddock

Applicant(s)

KELMARTIN ET AL.
Art Unit

1771

| √  | Rejected |
|----|----------|
| II | Allowed  |

(Through numeral) Cancelled Restricted

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|                  | 1                                      |              |                |               |              |          |                  | ı           |          | _        |
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| Cla              |  |              | ı              |               |              | ate      | <del>:</del><br> | <del></del> |          |          |
| _                | Original                               | 4            |                |               | ı            |          | - 1              |             |          |          |
| Final            | i                                      | 3/3/04       |                |               |              |          |                  |             |          |          |
| "                | ö                                      | 3            |                |               |              |          |                  |             |          |          |
| L                |  |              |                |               |              |          |                  |             | _        |          |
| 1                | 2                                      | -            |                |               | _            | _        | 4                |             | _        |          |
| 2                | _2_                                    | 0            |                |               |              |          | _                |             | _        |          |
|                  | 3                                      |              |                |               |              |          |                  | _           |          |          |
| 3 4 5 6 7 8 9    | 4<br>5                                 | 1            |                |               |              | _        |                  | _           |          |          |
| 4                | 5                                      | 1            |                |               |              |          |                  |             |          |          |
| 5                | 6                                      |              |                |               |              |          |                  |             |          |          |
| 6                | 7                                      | Ш            |                |               |              |          |                  |             |          |          |
| 7`               | 8                                      | Ш            |                |               |              |          |                  |             |          |          |
| 8                | 9                                      | 1            |                |               |              |          |                  |             |          |          |
| 9                | 10                                     | <del>)</del> |                |               |              |          |                  |             |          |          |
| 10               | 11                                     | ď            |                |               |              |          |                  |             |          |          |
|                  | 12                                     |              |                |               |              |          |                  |             |          |          |
| Н                | 13                                     | =            |                |               |              |          |                  |             |          |          |
| 12               | 14                                     |              |                |               |              |          |                  |             |          |          |
| 13               | 15                                     | П            |                |               |              |          |                  |             |          |          |
| 13<br>14         | 16                                     |              |                |               |              |          |                  |             |          |          |
| 15               | 12<br>13<br>14<br>15<br>16<br>17<br>18 | П            |                |               |              |          |                  |             |          |          |
| طا               | 18                                     |              |                |               |              |          |                  |             |          |          |
| 16<br>17         | 19                                     | 1            |                |               |              |          |                  |             |          |          |
| 18               | 19<br>20                               | V            |                |               |              |          |                  |             | H        | _        |
| 19               | 21                                     | =            | -              |               |              |          |                  |             |          |          |
| <del>  ' '</del> | 21<br>22                               | <u> </u>     |                | <del></del> - | -            |          | _                |             | $\vdash$ |          |
| <u> </u>         | 23                                     |              | $\vdash$       |               | -            |          |                  |             | H        |          |
| ·                | 23<br>24<br>25<br>26                   | $\vdash$     |                | $\vdash$      | $\vdash$     |          |                  |             | $\vdash$ | -        |
| -                | 25                                     | $\vdash$     | <del>  -</del> | -             | -            |          |                  | _           | $\vdash$ |          |
| }                | 26                                     | $\vdash$     | _              |               | <del> </del> |          | -                |             | H        |          |
|                  | 27                                     |              | $\vdash$       | $\vdash$      | <u> </u>     | H        |                  | -           | -        | <u> </u> |
|                  | 20                                     | $\vdash$     | $\vdash$       | $\vdash$      | _            | H        | -                | -           | -        | ├-       |
|                  | 28<br>29                               | $\vdash$     | $\vdash$       | -             | -            | -        |                  | ļ           | $\vdash$ | -        |
| -                |  | $\vdash$     | -              |               | <del> </del> | -        | -                |             |          |          |
| -                | 30                                     | ├—           | ├—             | <u> </u>      |              | _        | H                | _           |          | $\vdash$ |
| -                | 31                                     | -            | <u> </u>       | <del> </del>  |              | <u> </u> |                  | <u> </u>    | -        |          |
|                  | 32                                     | <u> </u>     | -              |               | <u> </u>     | <u> </u> |                  | <u> </u>    | <u> </u> | _        |
|                  | 33                                     | <u> </u>     | <del> </del>   |               | _            | <u> </u> | <u> </u>         | <u> </u>    | <u> </u> | -        |
|                  | 34                                     | -            | ļ              | <u></u>       | <u> </u>     | <u> </u> | <u> </u>         | _           | <u> </u> | <u> </u> |
|                  | 35                                     | <u> </u>     | $\vdash$       | ļ             | <u> </u>     | _        | _                | _           | $\vdash$ | _        |
| L                | 36                                     | <u> </u>     | L              | <u> </u>      |              | <u> </u> | ļ                | <u> </u>    | L.       | <u> </u> |
|                  | 37                                     | <u> </u>     | <b> </b> _     | <u> </u>      | _            |          |                  | L.          | <u> </u> | <u> </u> |
|                  | 38                                     | <u> </u>     | ļ              | <u> </u>      | L            |          | L                | L           | <u> </u> | L        |
| L                | 39                                     | $\perp$      | _              | $oxed{oxed}$  |              | L_       | <u> </u>         | <u> </u>    | L        | L_       |
|                  | 40                                     | <u> </u>     | 1              | L             | <u> </u>     | ļ        |                  |             | L        |          |
| L                | 41                                     |              |                | L             |              |          |                  |             |          |          |
|                  | 42                                     |              |                | L             |              |          |                  |             |          |          |
|                  | 43                                     |              | L              |               |              |          |                  | L           |          | L        |
|                  | 44                                     |              |                | L             | L            |          |                  | L           |          |          |
|                  | 45                                     |              |                |               |              |          |                  |             |          |          |
|                  | 46                                     | Γ            |                |               |              |          |                  |             |          |          |
|                  | 47                                     |              |                |               |              |          |                  |             | Π        |          |
|                  | 48                                     |              |                |               |              |          | T                | T           | T        | Γ        |
|                  | 49                                     | T            |                | -             |              |          |                  | l           |          | Ι        |
|                  | 50                                     |              |                | $\vdash$      |              |          |                  |             |          |          |

| Claim       |  |              |  |          |           | Date         | •  |          |              |              |
|-------------|--|--------------|--|----------|-----------|--------------|--|----------|--------------|--------------|
|             |  |              |  |          |           |              |  |          |              |              |
| a           | Original   |              |  |          |           |              |  |          |              |              |
| Final       | ij   |              |  |          |           |              |  |          |              |              |
|             | 0  |              |  |          |           |              |  |          |              |              |
|             | 51   |              |  |          | -         |              |  |          |              | $\vdash$     |
|             | 52   |              |  | _        | $\vdash$  | $\vdash$     |  | _        |              | $\vdash$     |
|             | 52<br>53<br>54<br>55<br>56                               |              | _  |          |           | -            |  | _        | -            |              |
|             | 5/   |              |  | -        |           | -            |  |          | -            | Н            |
|             | 55   |              |  |          |           |              | _  | -        |              | Н            |
|             | 55   |              |  |          |           | -            | -  |          | $\vdash$     |              |
|             | 57   |              | _  | ļ        |           |              |  |          | -            | -            |
|             | 50   |              |  | ├        | _         |              | -  | _        | -            | -            |
|             | 58<br>59   |              | -  | -        |           |              |  |          |              | -            |
|             | 60   |              | -  | -        | -         |              | -  |          |              | Н            |
| ļ           | 60   | ┝┈           |  | -        | -         |              | -  | -        |              |              |
|             | 61<br>62   | $\vdash$     | <u> </u>   | $\vdash$ | $\vdash$  |              |  |          | -            | -            |
| <b> </b>    | 62   | -            |  | $\vdash$ | $\vdash$  |              |  | <u> </u> |              | $\vdash$     |
| <u> </u>    | 03   |              |  |          |           |              | $\vdash$   |          | -            |              |
| <u> </u>    | 63<br>64<br>65   | <u> </u>     |  | -        | -         | $\vdash$     | $\vdash$   |          |              |              |
|             | 05   | <b> </b>     |  | <u> </u> | _         | _            | <u> </u>   | ļ        | <del> </del> | H            |
| <u> </u>    | 66<br>67   | <u> </u>     | <u> </u>   | $\vdash$ | ├         | -            | ļ. —   | -        | $\vdash$     |              |
| <u> </u>    | 6/   |              |  | ├        |           | -            | _  |          | -            | -            |
| ļ           | 68<br>69   | _            |  | -        |           | $\vdash$     |  |          |              |              |
| <u> </u>    | 70   | -            |  | ├        |           | -            | -  |          | -            |              |
|             | 70   |              | $\vdash$   | -        |           |              | -  |          | -            |              |
|             | 71   |              | $\vdash$   | -        | -         |              |  | -        |              |              |
|             | 72   | ├            |  | -        | -         |              | ├  | -        | -            | $\vdash$     |
|             | 74   | ⊢            |  | $\vdash$ | $\vdash$  | $\vdash$     | -  | -        | -            | -            |
|             | 71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80 |              | -  | ├        | ╁         | <u> </u>     | <del>                                     </del> | ┢        | -            | <del> </del> |
| -           | 76   |              | ╢  | -        |           |              | $\vdash$   | ⊢        | $\vdash$     | ├            |
| <del></del> | 77   | _            |  | $\vdash$ | -         | <del> </del> |  | $\vdash$ |              | $\vdash$     |
| <b>—</b>    | 78   |              |  | $\vdash$ | $\vdash$  | -            | ╁╌   | 1        |              | $\vdash$     |
|             | 79   | <del> </del> |  | $t^-$    | $\vdash$  | $\vdash$     | ╁─   |          |              | $\vdash$     |
|             | 80   | <u> </u>     | <del>                                     </del> | -        | ╁╌        | <u> </u>     | $\vdash$   |          | 1            | -            |
|             | 81   |              | <del> </del>                                     | 1        |           | $\vdash$     | -  | -        | $\vdash$     | ┼            |
|             | 82   | †            | $\vdash$   | 1        | 1         | 1            | ╁┈   |          |              | t            |
|             | 83   | <del> </del> | $\vdash$   | 1        | t         | T            | T  |          |              | T            |
|             | 84   | 1            | f  | †        |           | $\vdash$     | 一  |          | Τ.           | 1            |
|             | 85   | T            | Т  | †        | 1         |              | T  |          |              | 1            |
|             | 86   | Г            | 1  | 1        |           |              | T  | T        | 1            | 1            |
|             | 87   |              |  | T        | T         | 1            | T  |          |              | Т            |
| <u> </u>    | 88   | Π            |  | Ι.       |           |              |  |          |              |              |
|             | 89   |              |  | Г        |           | 1            |  |          |              |              |
|             | 90   | T            | Π  | Π        | П         |              | 1  |          |              |              |
|             | 91   | Τ_           | Π  | Т        | 1         | T            | Ī  |          | Π            |              |
|             | 92   |              | 1  |          | Ĺ         |              |  |          |              |              |
|             | 93   |              |  |          |           |              |  |          |              |              |
|             | 94   |              |  |          |           |              |  |          |              |              |
|             | 95   |              |  |          |           |              |  |          |              |              |
|             | 96   |              |  |          |           |              |  |          |              |              |
|             | 97   |              |  |          |           |              |  |          |              |              |
|             | 98   |              |  |          |           |              | $\Box$   |          | 匚            |              |
|             | 99   | 匚            | $oxed{\Box}$                                     | L        |           | 1_           | 1  | L        | 1_           |              |
| <u> </u>    | 100  | $\bot$       |  | L        | <u>L.</u> | <u>L_</u>    | 1  | L        | 1            | 1            |

| Claim    |                   | Date         |  |              |              |              |          |           |              |  |  |
|----------|-------------------|--------------|--|--------------|--------------|--------------|----------|-----------|--------------|--|--|
| Final    | Original          |              |  |              |              |              |          |           |              |  |  |
|          | 101               |              |  |              |              |              |          |           |              |  |  |
|          | 102               |              |  |              |              |              |          |           |              |  |  |
|          | 103               |              | _  |              |              |              |          |           |              |  |  |
|          | 104<br>105        |              |  |              |              |              |          |           |              | Н  |  |
|          | 105               |              |  |              |              |              |          |           |              | Ш  |  |
|          | 106               | -            |  |              |              |              |          |           |              |  |  |
|          | 107<br>108        | H            |  | -            |              |              |          | -         |              |  |  |
|          | 109               | <del> </del> | ┢─   | $\vdash$     |              |              |          |           |              |  |  |
|          | 110               |              |  |              | l            |              |          |           |              |  |  |
|          | 111               |              |  |              |              |              |          |           |              |  |  |
|          | 112               |              |  |              |              |              |          |           |              |  |  |
|          | 112<br>113        |              |  |              |              |              |          |           |              |  |  |
|          | 114               | L            |  |              | L_           |              | _        |           |              | $\square$  |  |
|          | 115<br>116        |              |  |              | _            | _            |          |           | <u> </u>     |  |  |
|          | 116               | <u> </u>     |  |              |              | <u> </u>     | <u> </u> | <u> </u>  | _            | Щ  |  |
|          | 117<br>118        |              | ļ  |              | ┝            | -            | _        | <u> </u>  |              | $\vdash$   |  |
|          | 119               | <u> </u>     |  | -            |              | <del> </del> |          |           |              |  |  |
|          | 120               | -            | 1  | -            | $\vdash$     | -            | -        |           | $\vdash$     | $\vdash$   |  |
|          | 121               |              |  | <del> </del> | $\vdash$     | -            |          |           |              | $\vdash$   |  |
|          | 121<br>122        |              | <del>                                     </del> | <u> </u>     |              |              | T        |           |              | $\Box$   |  |
|          | 123               |              | _  | 1            |              |              |          |           |              | П  |  |
|          | 123<br>124<br>125 |              |  |              |              |              |          |           |              |  |  |
|          | 125               |              |  |              |              |              |          |           |              |  |  |
|          | 126<br>127        | _            |  | <u>L</u>     | <u> </u>     |              |          | _         | <u> </u>     |  |  |
|          | 127               | <u> </u>     | _  | <u> </u>     | <b> </b>     | ļ            |          | _         |              |  |  |
| ļ        | 128<br>129        | _            | -  |              | -            | -            | -        | -         | ⊢            | -  |  |
|          | 130               | -            | <b>-</b>   |              | -            | -            | -        |           | -            |  |  |
|          | 131               | ├            | <del> </del> —                                   |              | $\vdash$     | ├            | -        | $\vdash$  | ┝            | Н  |  |
| <b></b>  | 132               | 1            | 1  | $\vdash$     | <del> </del> | -            |          | -         |              | $\vdash$   |  |
|          | 133               |              |  | 1            | ╁╌           | ├            | I        |           | ·            | <del>                                     </del> |  |
|          | 134               |              | <del> </del>                                     | <u> </u>     | t            |              |          |           | T            |  |  |
|          | 135               |              |  |              |              |              |          |           |              |  |  |
|          | 136               |              |  |              |              |              |          |           | <u> </u>     |  |  |
| <u> </u> | 137               |              | _  | _            | _            | L            | _        |           |              |  |  |
| <u> </u> | 138               | <u> </u>     | _  | 1            | -            | _            | <u> </u> | <u> </u>  | ļ            | <b> </b> _                                       |  |
|          | 139               | <u> </u>     | ├  | ├            | ₩            | <b>├</b>     | -        | <u> </u>  | ļ            | -  |  |
|          | 140<br>141        |              | ├  | -            | -            | -            | -        | <u> </u>  |              | -  |  |
| -        | 141               | $\vdash$     | -  | -            |              | ├            | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$   |  |
| $\vdash$ | 143               | +            | $\vdash$   | -            | $\vdash$     | H            | t        | $\vdash$  | <del> </del> | +  |  |
|          | 144               | t            |  |              |              | H            | H        | 1         | $\vdash$     | $\vdash$   |  |
|          | 145               | T            |  |              |              | $\vdash$     | 1        | Г         | T            | П  |  |
|          | 146               |              |  |              |              |              |          |           |              |  |  |
|          | 147               |              |  |              |              |              |          |           |              |  |  |
|          | 148               |              |  |              | $\Box$       |              |          |           |              |  |  |
|          | 149               |              |  |              | $\perp$      | _            | L        | _         | <u> </u>     | $\perp$  |  |
| L        | 150               | _            | <u></u>  | <u></u>      | 1            | 1            | <u> </u> | <u>L_</u> | <u> </u>     |  |  |